



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 169173

TO: Stephanie K Mumment
Location: 2d35 / 2c18
Wednesday, October 26, 2005
Art Unit: 1637
Phone: 571-272-8503
Serial Number: 10 / 714763

From: Jan Delaval
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Search Notes

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169173

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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: Stephanie K. Mumment Examiner #: 80896 Date: 10/20/05
Art Unit: 1637 Phone Number: 2-8503 Serial Number: 10/714,763
Location (Bldg/Room#): REN2D35 (Mailbox #): Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: Methods of Using Cleavable Solid Phases for Isolating nucleic acids
Inventors (please provide full names): Akhavan-Tafti, Haseemi; De Silva, Renuka; Gill, Nicole; Cripps, William; Handley, Richard; O'Connor, Elizabeth; Reddy, Lakala; Siripurapu, Sarada
Earliest Priority Date: 11/17/03

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Keywords: tributyl phosphonium (group)
ethyl thioester - (group or linkage)
[poly methacrylate polymer
or
poly methacryloyl chloride resin]

Structure in claim 3b+37 is a modification/linkage to a polymer/resin.

The linker (in this case -a thioester) is cleavable and used to isolate nucleic acids by binding to a resin/polymer as per claim 1 + 13. (see attached). w/ a phosphonium functional group.

I've also attached the relevant page of the specification w/ another more detail about the specific structure in claim 37.

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Searcher: Jar

Searcher Phone #: 22504

Searcher Location:

Date Searcher Picked Up: 10/26/05

Date Completed: 10/26/05

Searcher Prep & Review Time: 20

Online Time: +40

Type of Search

NA Sequence (#)

AA Sequence (#)

Structure (#)

Bibliographic

Litigation

Fulltext

Other

Vendors and cost where applicable

STN Dialog

Questel/Orbit Lexis/Nexis

Westlaw WWW/Internet

In-house sequence systems

Commercial Interference Oligomer Score/Length

SPDI Encode/Transl

Other (specify)